

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

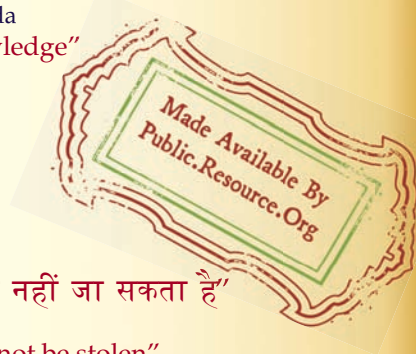
IS 9773 (1981): Volume Grease Pumps [PGD 19: Lubricating Equipments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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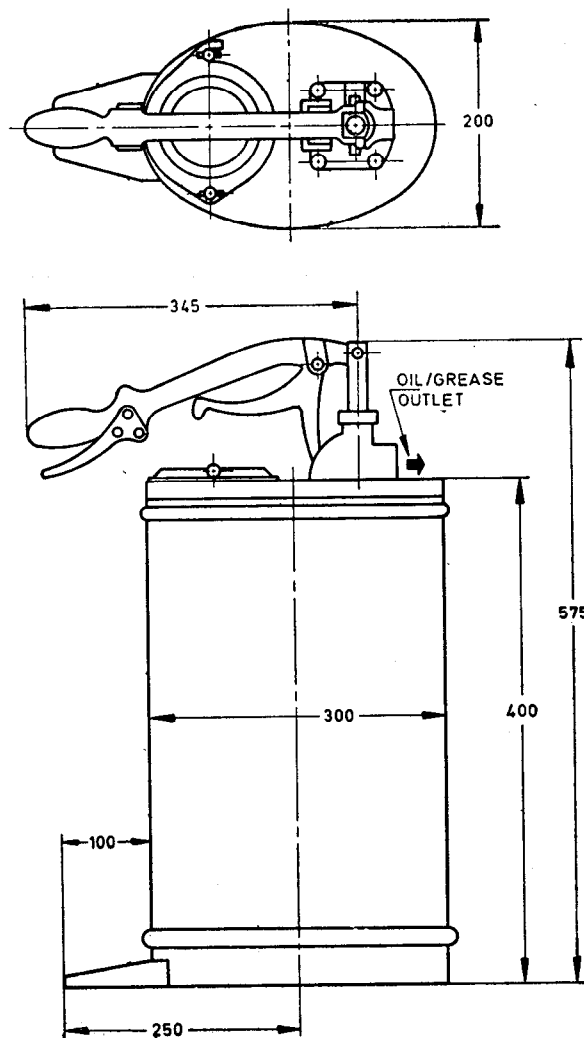


Indian Standard

(Reaffirmed 2001)

SPECIFICATION FOR VOLUME GREASE PUMPS

1. **Scope** — Covers the requirements for manually operated bucket type volume grease pumps intended for use with self collapsing greases up to Group 1 of 310-340 penetration number and heavy oils of viscosity 150CST at 40°C.
2. **Material** — The materials used for volume pumps shall be such as to withstand normal wear and handling when used with grease or oil up to a temperature of 60°C.
3. **Nominal Capacity** — 20 litres.
4. **Dimensions** — Shall be as shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR VOLUME GREASE PUMP

5. **Designation** — Volume grease pump having a nominal capacity of 20 litres shall be designated as:
Volume Grease Pump 20 IS : 9773.

Adopted 13 March 1981

© July 1981, ISI

Price Rs 5.50

Gr 1

IS : 9773 - 1981

6. Design Features

6.1 Volume pumps shall be robust in construction and easy for operation.

6.2 Volume pumps shall be provided with pressure relief to facilitate easy disengaging of connectors from grease nipples.

6.3 All packings shall be made from oil resisting materials.

7. Workmanship and Finish

7.1 The volume pumps shall be finished smooth and shall be free from burrs, cracks and other manufacturing defects.

7.2 Exposed surfaces of volume grease pumps that come in contact with grease shall be plated and the rest painted with oil resistant paint. Fasteners shall be zinc/cadmium plated.

8. Performance Test — The volume grease pump shall have discharge rates per stroke as given below corresponding to discharge pressures of the pump :

Discharge Pressure in MPa*	Discharge per Stroke of 20 litres pump in ml
0	27.5
9.8	25.0
*1MPa $\approx$ 10.2 kgf/cm ² .	

9. Marking — The volume pumps shall be marked with nominal capacity and manufacturer's name or trade-mark.

9.1 ISI Certification Marking — Details available with the Indian Standards Institution.

10. Packing — The volume pumps shall be packed in accordance with best prevalent trade practices or as agreed to between the purchaser and the supplier.

EXPLANATORY NOTE

This standard covers the requirements of manually operated bucket type volume grease pumps and is based on the manufacturing practices followed in the country.